## ERNATIONAL SEARCH REPORT

onal Application No

PCT/EP2004/004147 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01R31/06 G01R31/34 G01R31/12 G01R31/08 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01R Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 5 814 998 A (SCHIMMELPFENNIG GERHARD X 1,2,4,5, ET AL) 29 September 1998 (1998-09-29) 7,21 column 1, line 6 - line 10 Y 3,6,8 column 2, line 48 - column 5, line 10; figures 1,2,3a,3b US 2002/014890 A1 (COOKE CHATHAN M) 1,2,4,5, X 7 February 2002 (2002-02-07)
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paragraph [0019] - paragraph [0030] 8,21 Y Χ EP 0 805 355 A (HORSTMANN GMBH DIPL ING H) 1-6,215 November 1997 (1997-11-05) column 5, line 49 - column 7, line 59; 3,6 figures 4,5 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents : "T later document published after the International filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to Involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 1 6. 11. 04 3 November 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Koll, H

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### INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2904/604147

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)						
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:							
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:						
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:						
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)						
This Inte	emational Searching Authority found multiple inventions in this international application, as follows:						
	See additional sheet.						
1. X	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.						
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:						
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
Remark	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.						

Form PCT/ISA/210 (continuation of first sheet'(1)) (July 1992)

#### INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/004147

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

1. Claims 1-8, 21

measuring apparatus and method of locating a partial discharge.

2. Claims 9-20

design of a sensor that is suitable for detecting partial discharges.

Form PCT/ISA/210

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Information on patent family members

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